

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010859.D
 Acq On : 13 Jul 2019 00:36
 Operator : JC/SP
 Sample : K3791-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0592

Quant Time: Jul 13 06:42:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	245219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383428	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	354328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176011	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126013	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
35) Dibromofluoromethane	5.50	113	115757	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	460186	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	165057	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

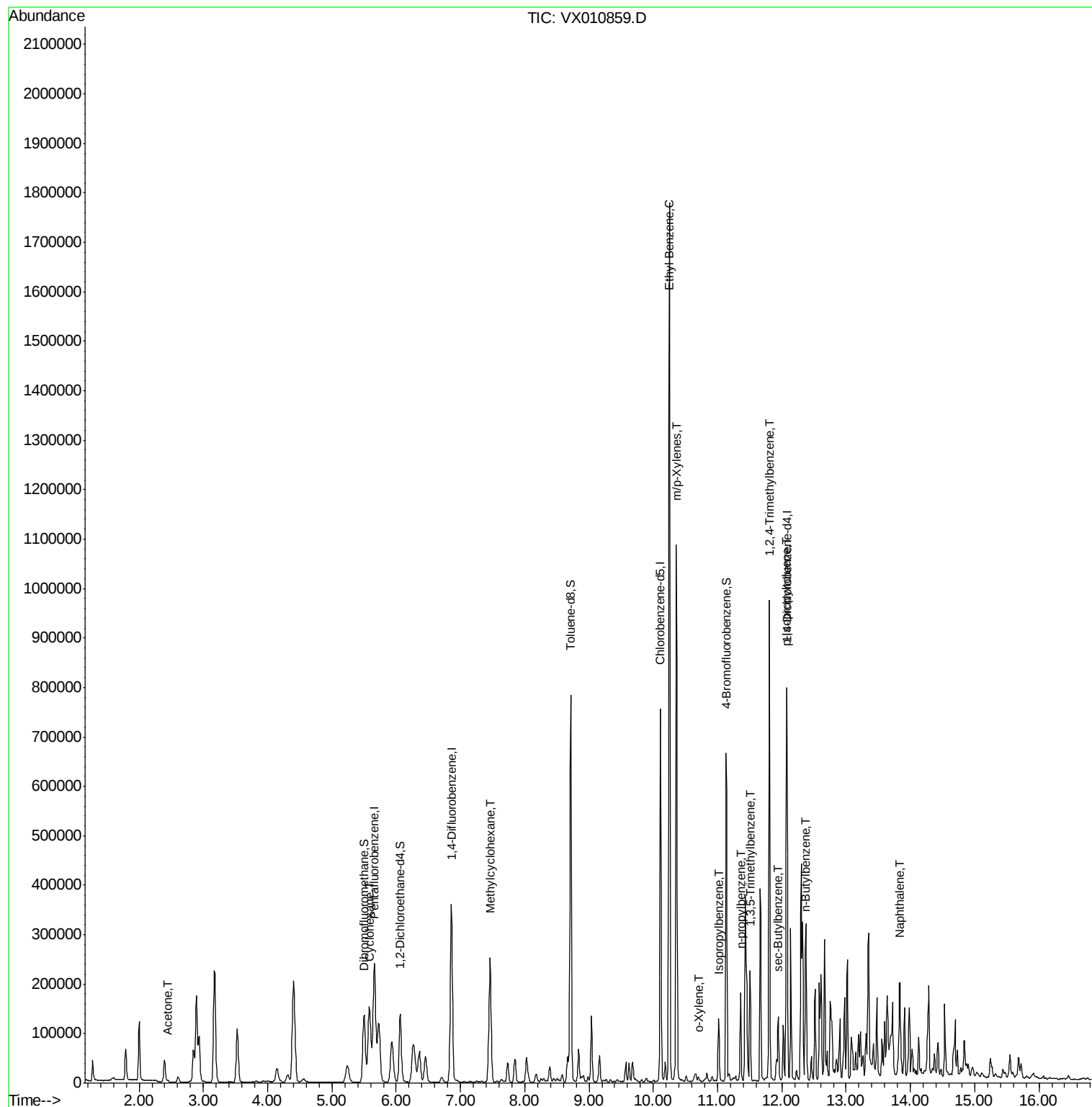
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	3722	3.230	ug/l	94
31) Cyclohexane	5.58	56	109756	33.049	ug/l	96
39) Methylcyclohexane	7.46	83	115728	28.895	ug/l	95
67) Ethyl Benzene	10.25	91	1005941	82.833	ug/l	100
68) m/p-Xylenes	10.36	106	239497	50.896	ug/l	98
69) o-Xylene	10.69	106	1712	0.370	ug/l	87
73) Isopropylbenzene	11.02	105	64702	5.423	ug/l	97
78) n-propylbenzene	11.36	91	108462	8.271	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	96606	9.822	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	417007	42.198	ug/l	99
85) sec-Butylbenzene	11.94	105	67261	5.803	ug/l	85
86) p-Isopropyltoluene	12.07	119	10966	1.023	ug/l	91
89) n-Butylbenzene	12.38	91	52654	5.779	ug/l #	37
95) Naphthalene	13.83	128	121137	9.835	ug/l #	95

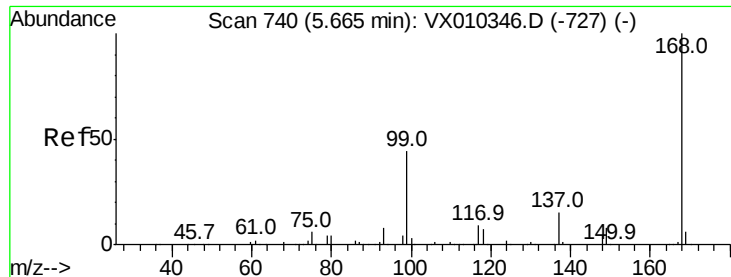
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

Instrument :

MSVOA_X

ClientSampleId :

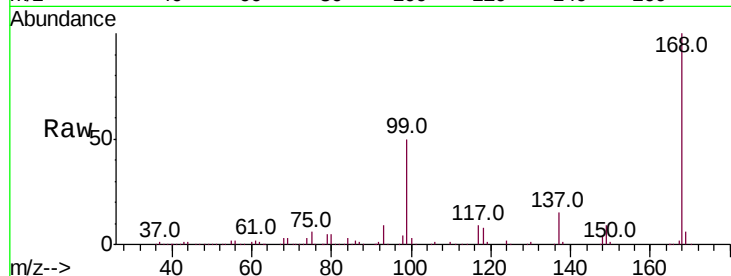
FL-0592

Tot Ion:168 Resp: 245219

Ion Ratio Lower Upper

168 100

99 49.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

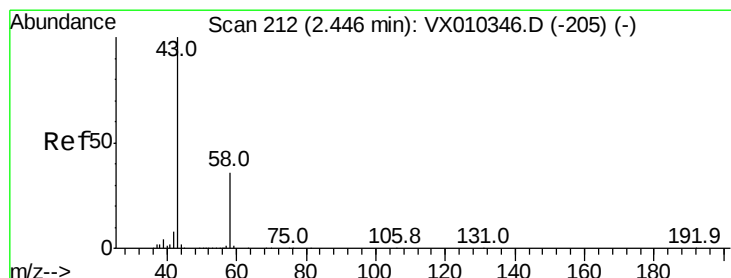
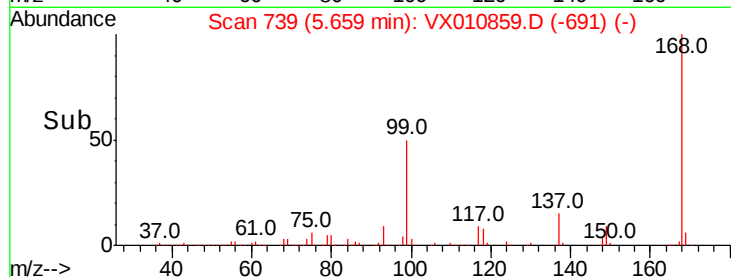
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 3.230 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010859.D

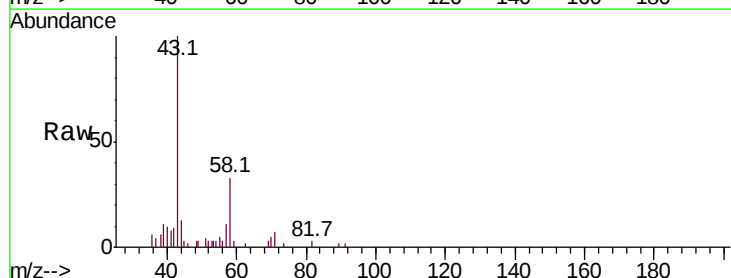
Acq: 13 Jul 2019 00:36

Tgt Ion: 43 Resp: 3722

Ion Ratio Lower Upper

43 100

58 32.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

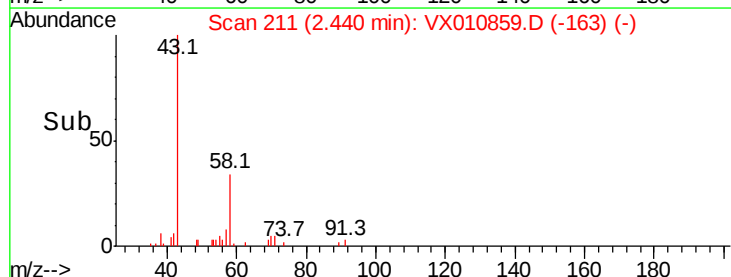
4000

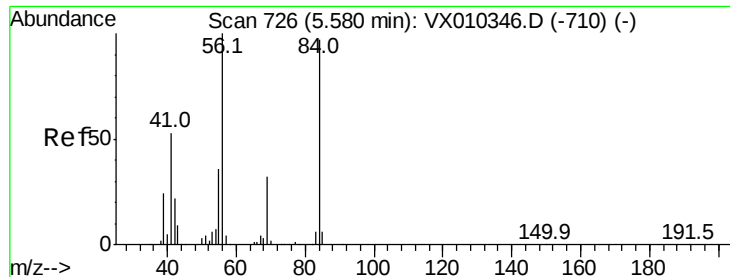
2000

0

2.40 2.45 2.50 2.55

Time-->

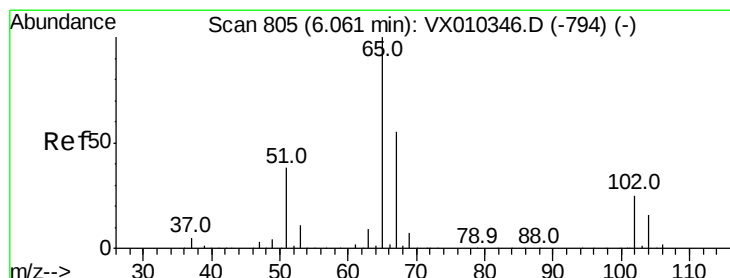
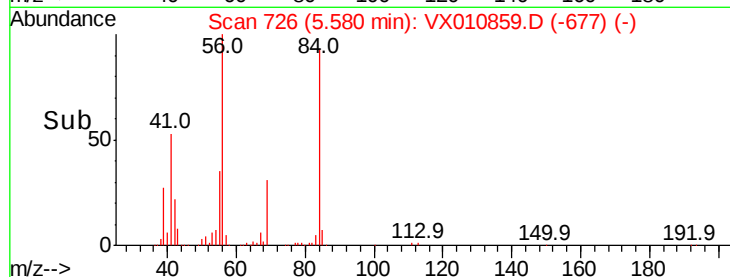
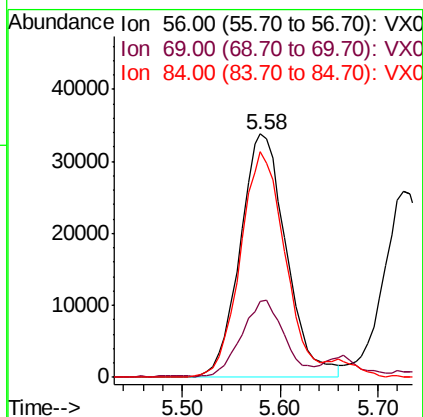
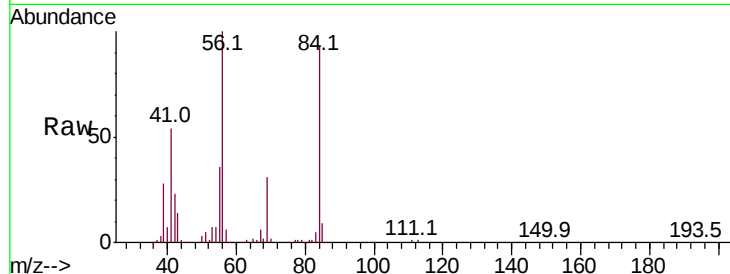




#31
Cyclohexane
Concen: 33.049 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

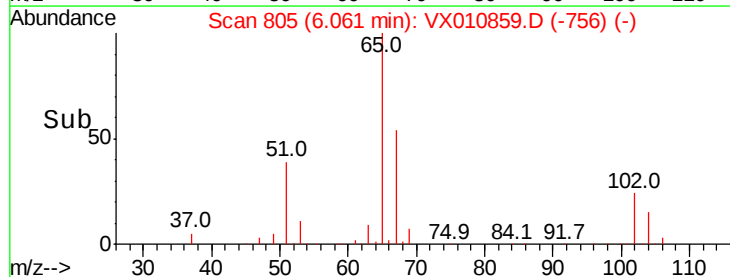
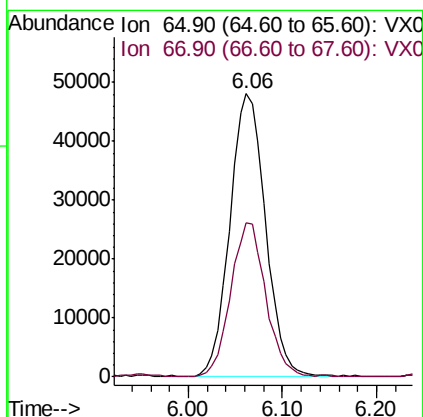
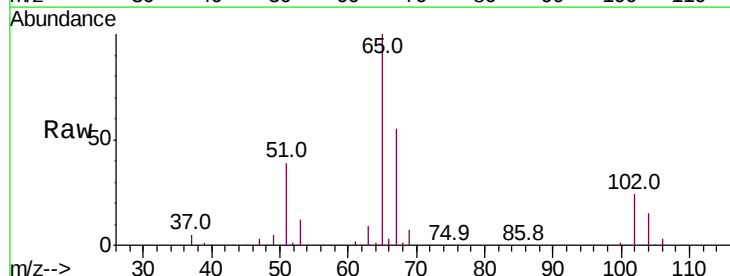
Instrument :
MSVOA_X
ClientSampled :
FL-0592

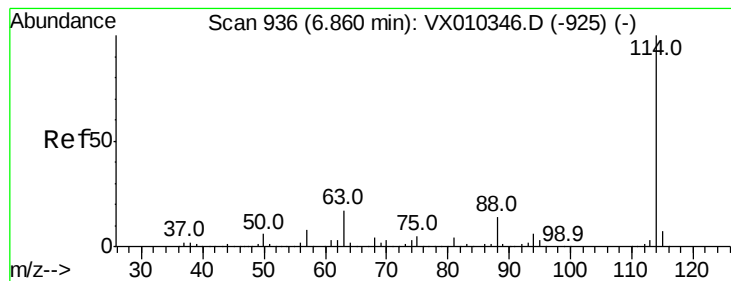
Tot Ion: 56 Resp: 109756
Ion Ratio Lower Upper
56 100
69 30.6 25.9 38.9
84 92.7 78.0 117.0



#33
1,2-Dichloroethane-d4
Concen: 54.808 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Tgt Ion: 65 Resp: 126013
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

Instrument :

MSVOA_X

ClientSampleId :

FL-0592

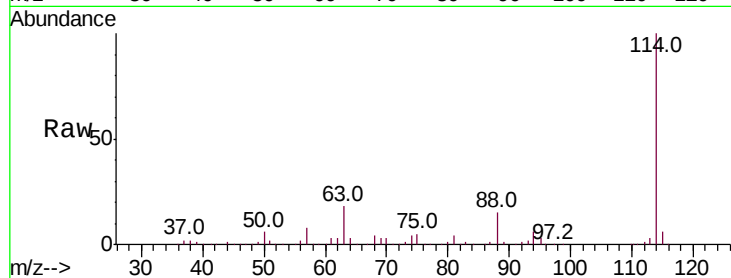
Tot Ion:114 Resp: 383428

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

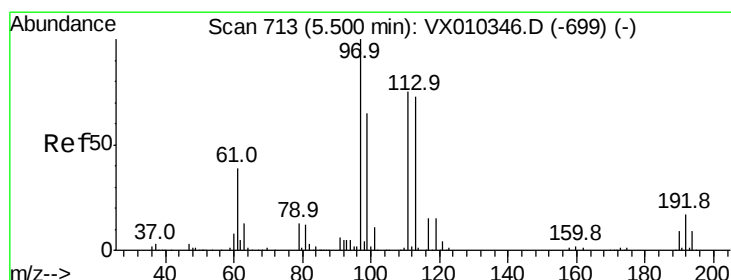
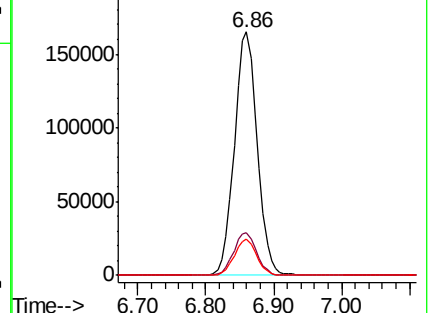
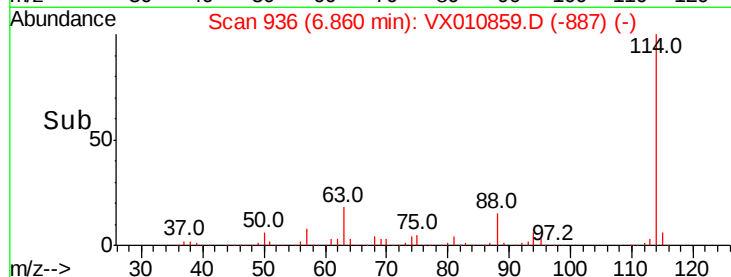
88 14.9 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.343 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

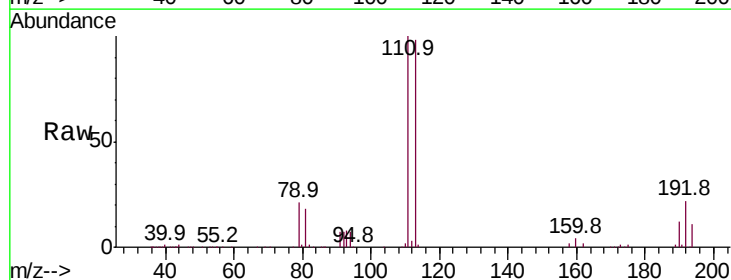
Tgt Ion:113 Resp: 115757

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

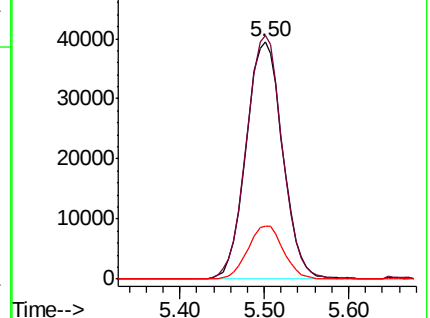
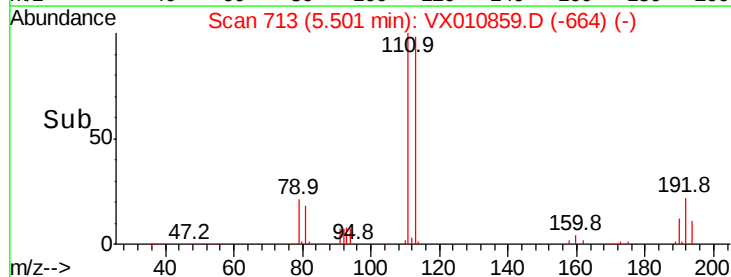
192 22.0 18.6 27.8

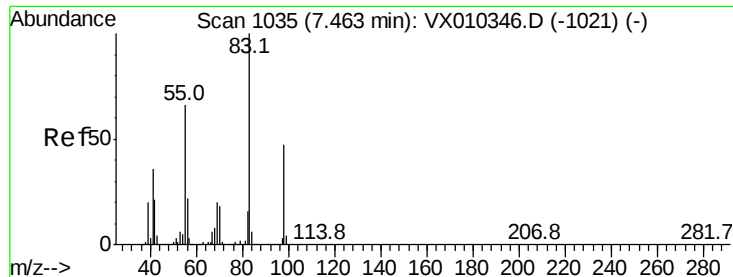


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

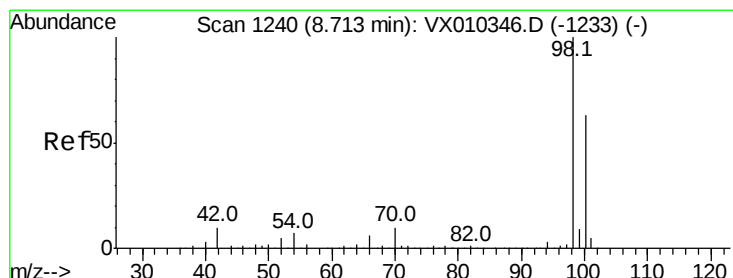
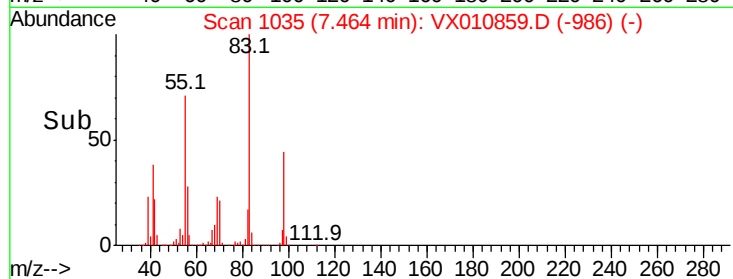
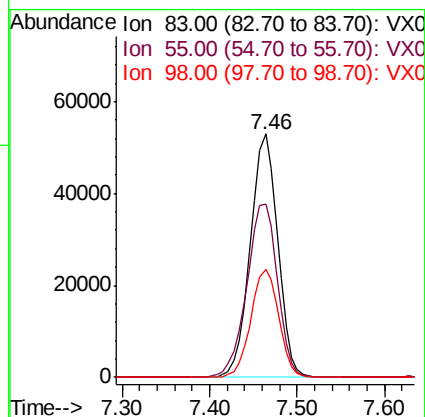
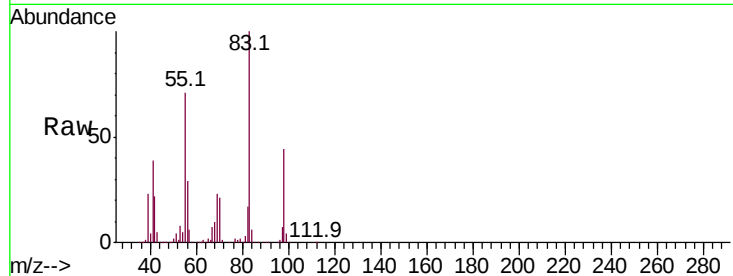




#39
Methvlcvclohexane
Concen: 28.895 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

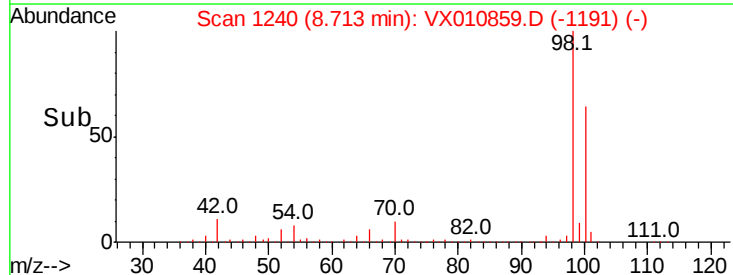
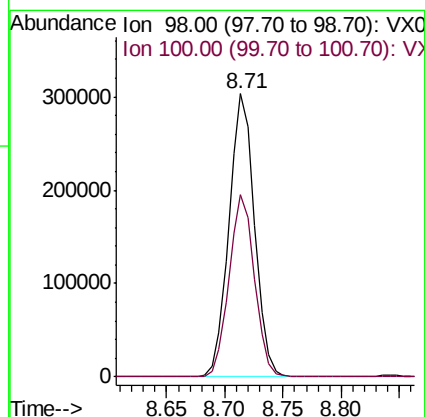
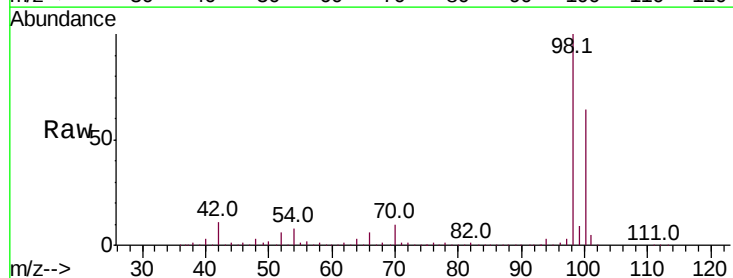
Instrument :
MSVOA_X
ClientSampleId :
FL-0592

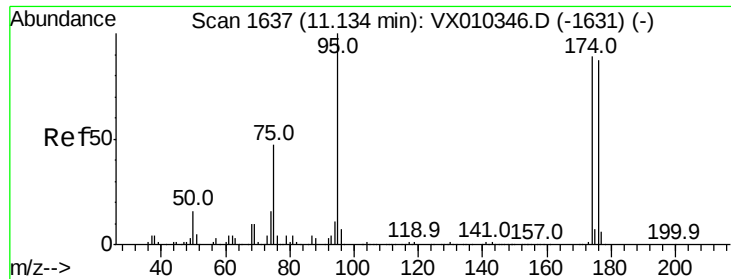
Tot Ion	83	Resp	115728
Ion Ratio	Lower	Upper	
83	100		
55	71.0	53.0	79.6
98	44.3	37.8	56.8



#50
Toluene-d8
Concen: 51.273 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Tgt Ion	98	Resp	460186
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.6	77.4





#62

4-Bromofluorobenzene

Concen: 50.939 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

Instrument :

MSVOA_X

ClientSampleId :

FL-0592

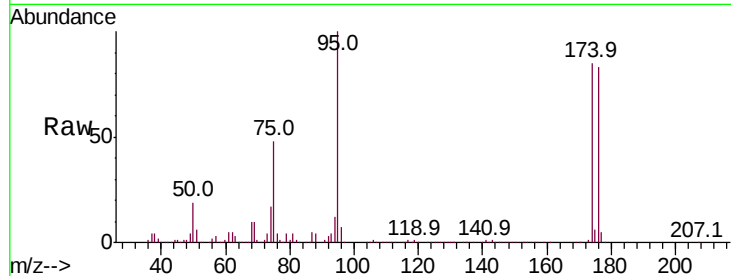
Tot Ion: 95 Resp: 165057

Ion Ratio Lower Upper

95 100

174 91.4 0.0 187.6

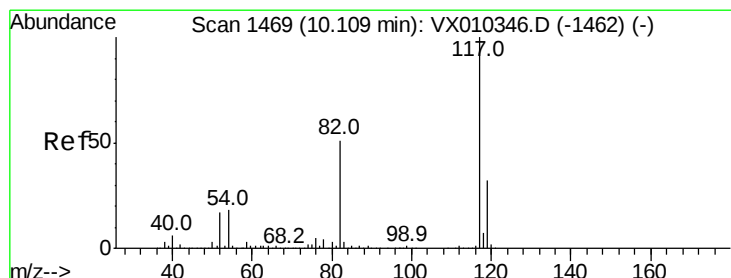
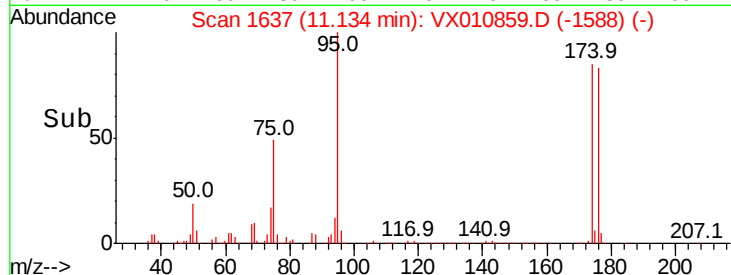
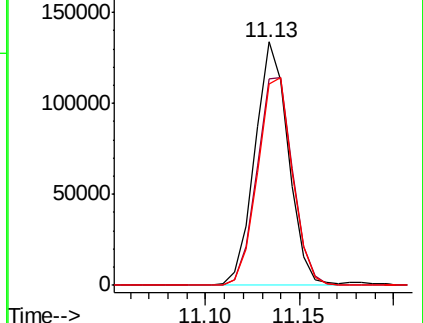
176 88.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

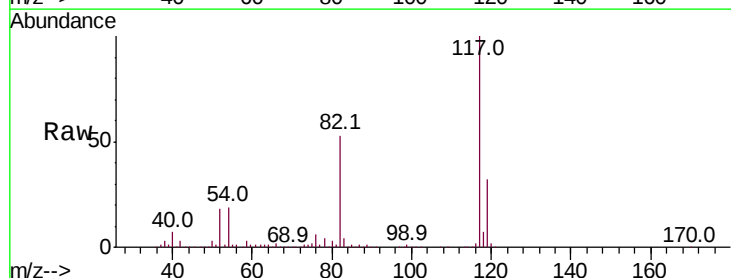
Tgt Ion: 117 Resp: 354328

Ion Ratio Lower Upper

117 100

82 52.7 41.2 61.8

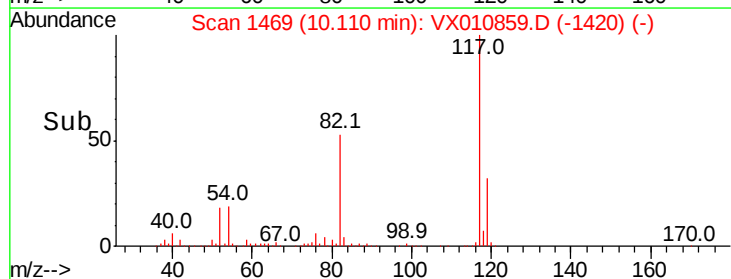
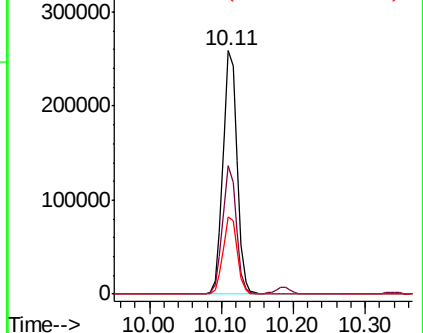
119 31.9 25.5 38.3

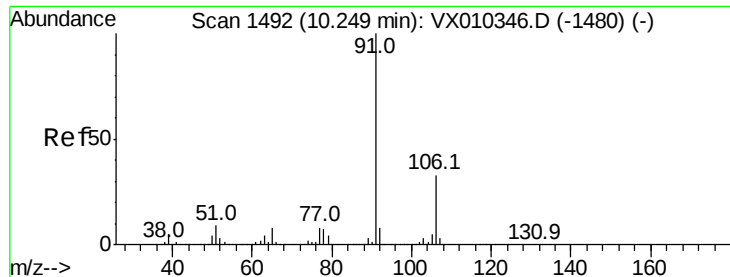


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

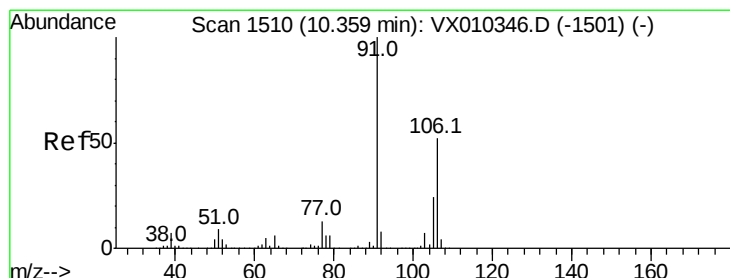
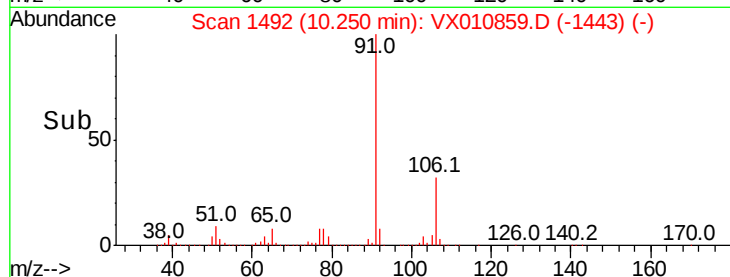
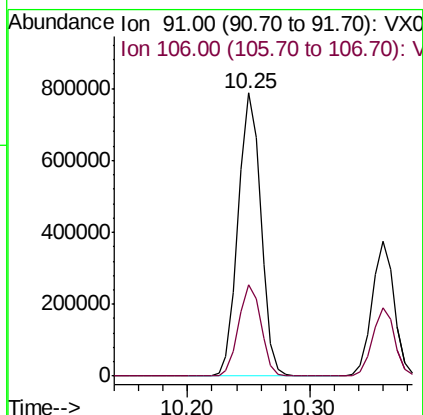
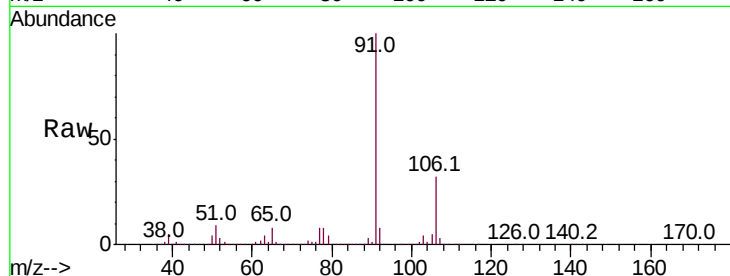




#67
Ethyl Benzene
Concen: 82.833 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

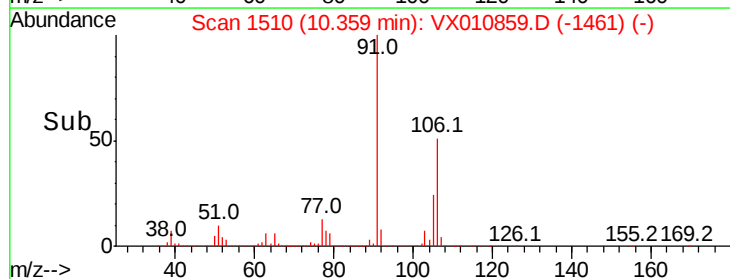
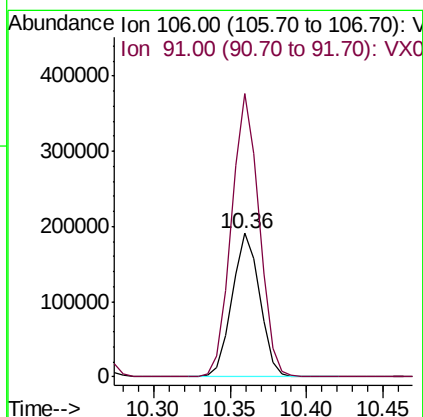
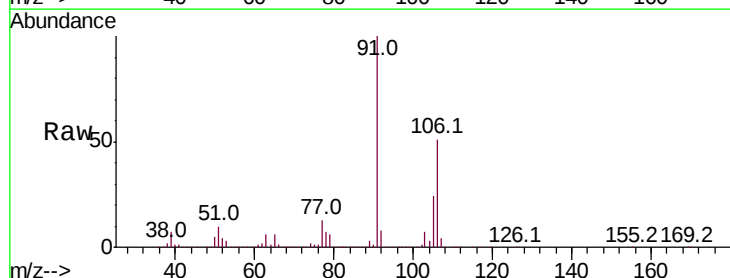
Instrument :
MSVOA_X
ClientSampled :
FL-0592

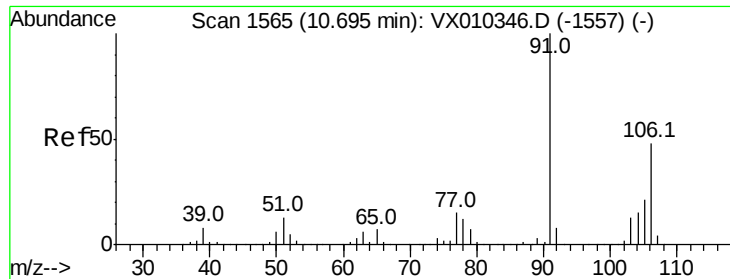
Tot Ion: 91 Resp: 1005941
Ion Ratio Lower Upper
91 100
106 32.4 26.2 39.2



#68
m/p-Xylenes
Concen: 50.896 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Tgt Ion: 106 Resp: 239497
Ion Ratio Lower Upper
106 100
91 196.8 155.3 232.9

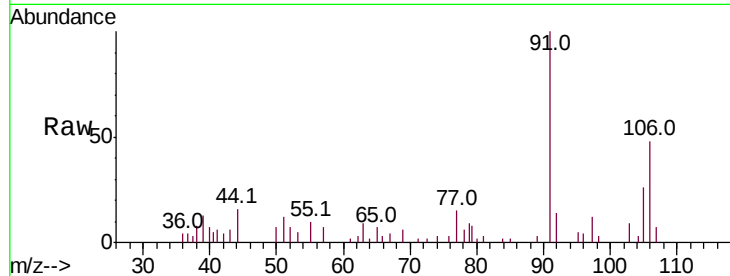




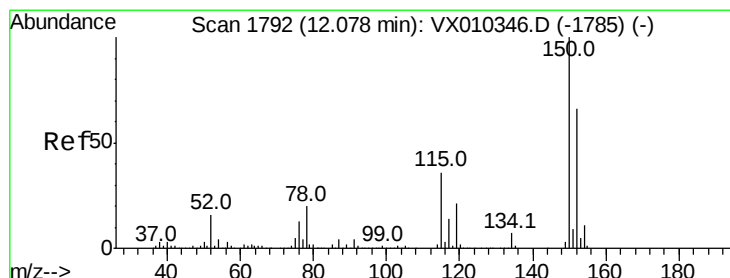
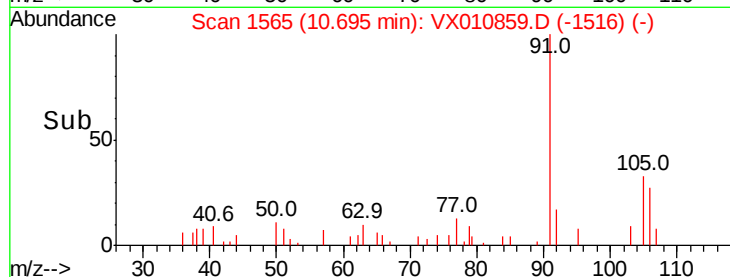
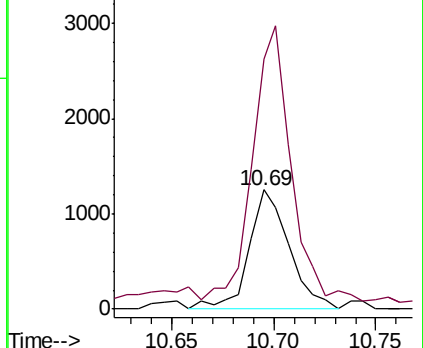
#69
o-Xylene
Concen: 0.370 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Instrument :
MSVOA_X
ClientSampleID :
FL-0592

Tot Ion:106 Resp: 1712
Ion Ratio Lower Upper
106 100
91 225.1 102.7 308.1

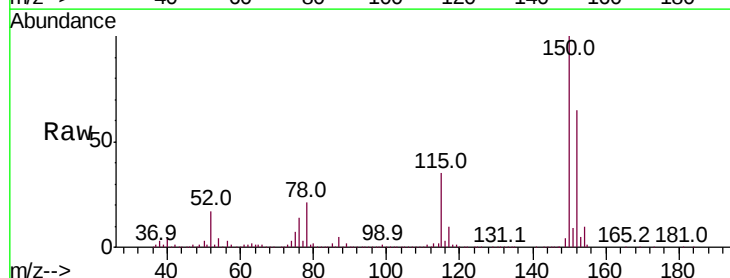


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

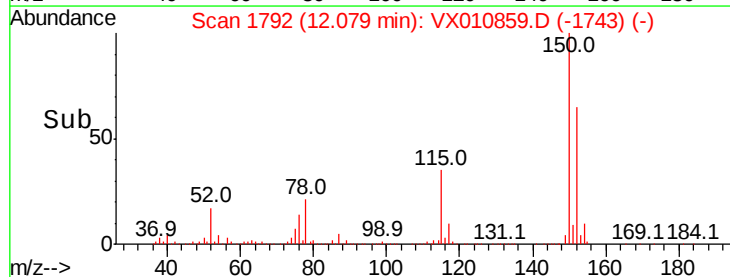
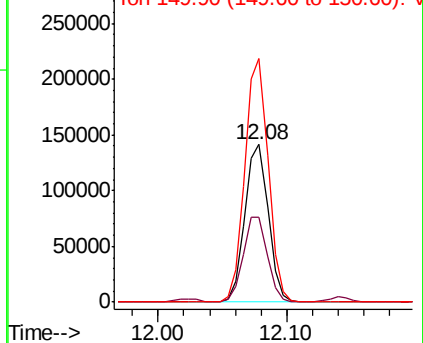


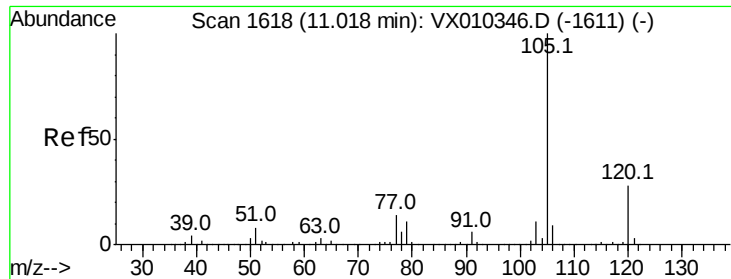
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Tgt Ion:152 Resp: 176011
Ion Ratio Lower Upper
152 100
115 55.7 38.6 115.7
150 154.9 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.423 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

Instrument :

MSVOA_X

ClientSampleId :

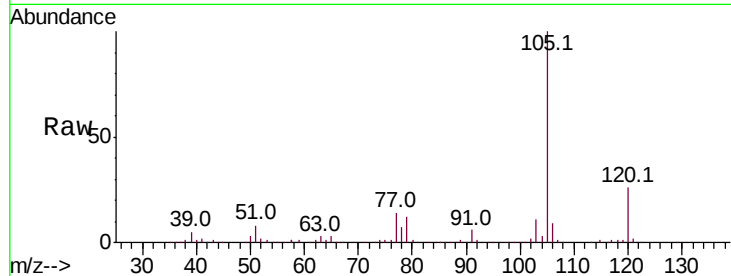
FL-0592

Tot Ion:105 Resp: 64702

Ion Ratio Lower Upper

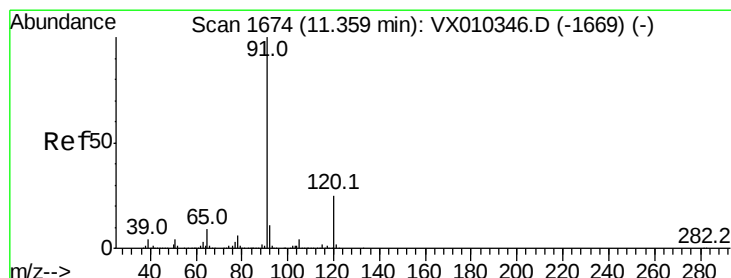
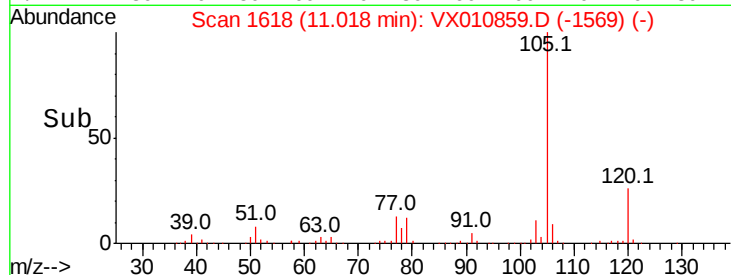
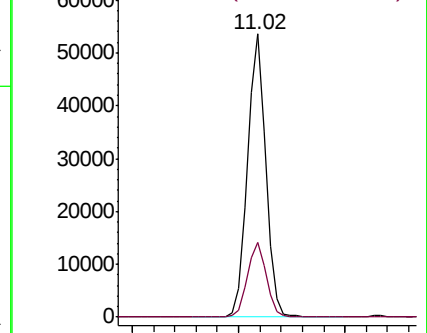
105 100

120 27.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 8.271 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010859.D

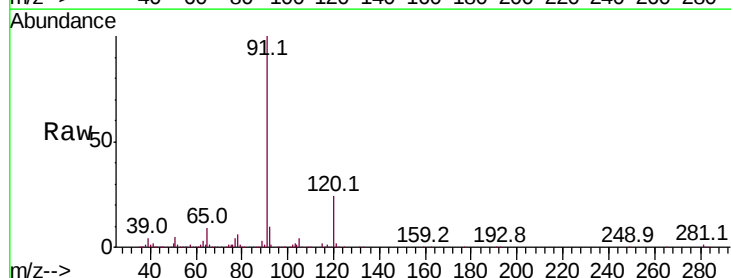
Acq: 13 Jul 2019 00:36

Tgt Ion: 91 Resp: 108462

Ion Ratio Lower Upper

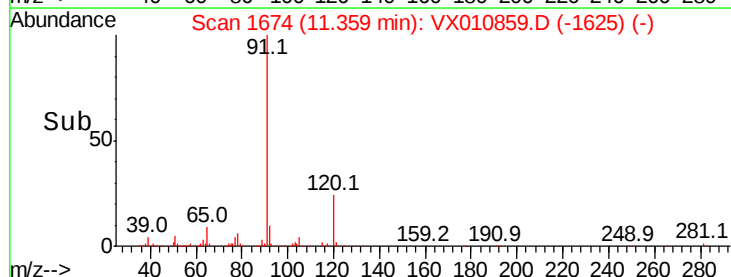
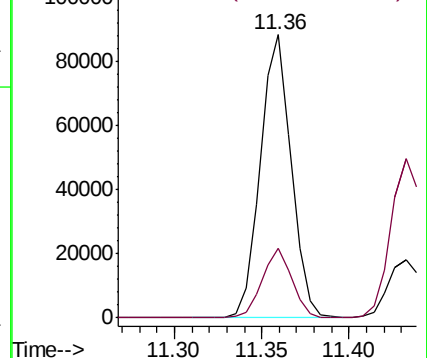
91 100

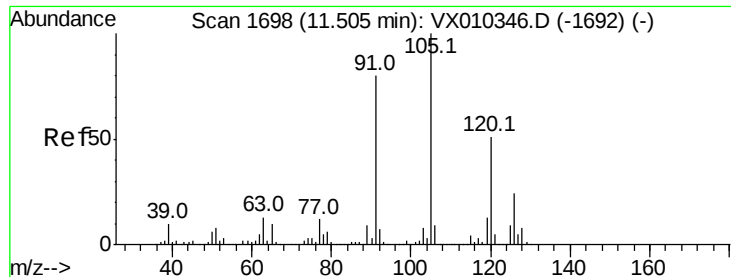
120 23.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

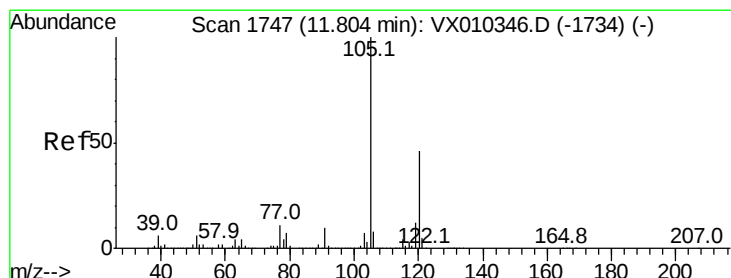
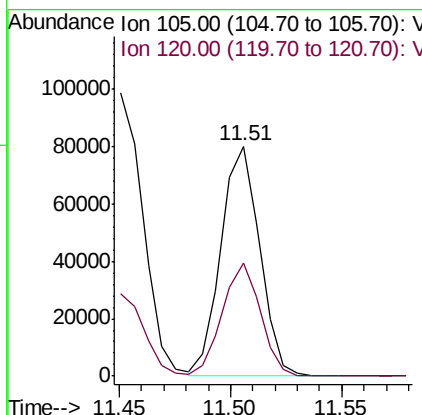
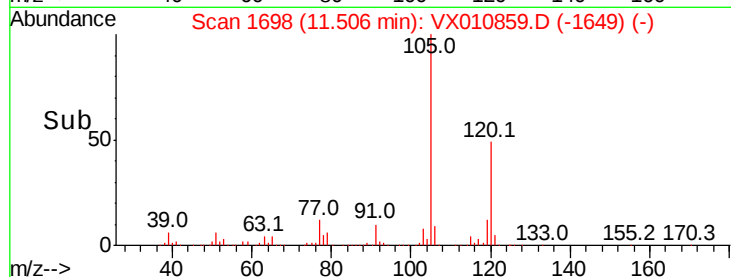
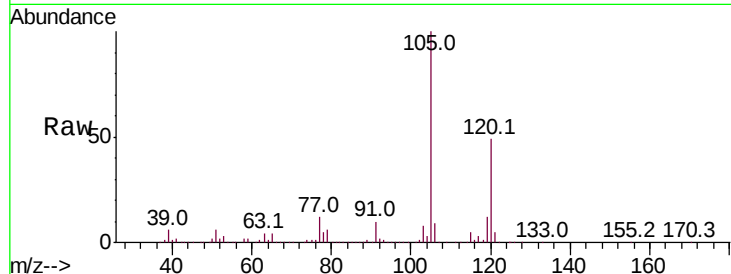




#80
 1,3,5-Trimethylbenzene
 Concen: 9.822 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010859.D
 Acq: 13 Jul 2019 00:36

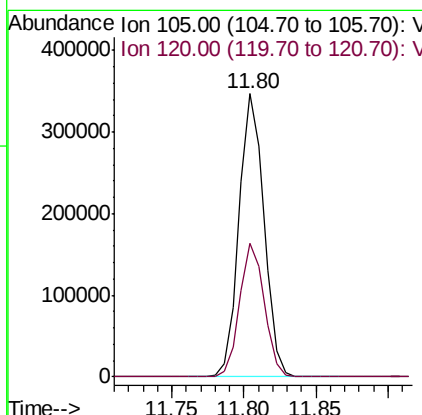
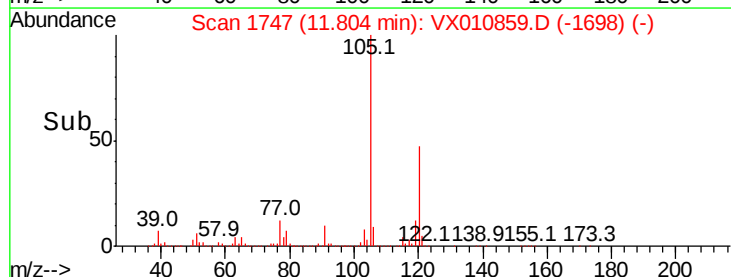
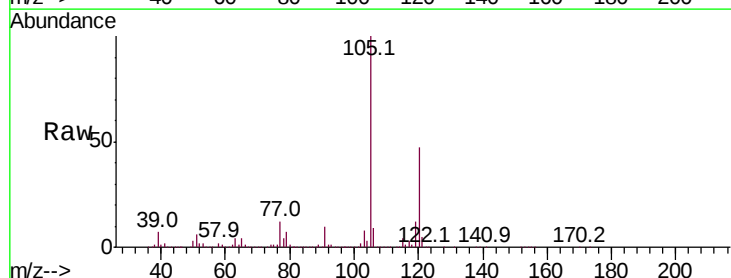
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0592

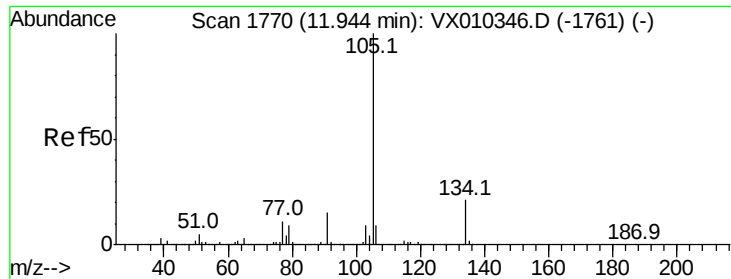
Tot Ion:105 Resp: 96606
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.2 75.6



#84
 1,2,4-Trimethylbenzene
 Concen: 42.198 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010859.D
 Acq: 13 Jul 2019 00:36

Tgt Ion:105 Resp: 417007
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 5.803 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

Instrument :

MSVOA_X

ClientSampled :

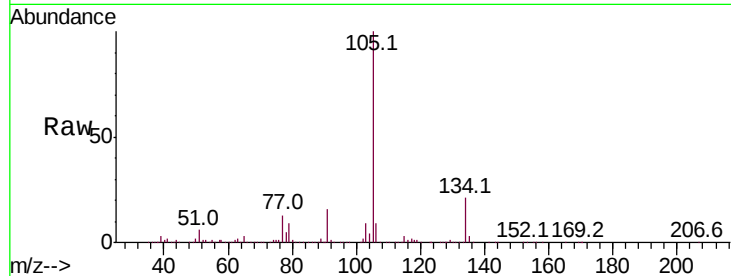
FL-0592

Tot Ion:105 Resp: 67261

Ion Ratio Lower Upper

105 100

134 28.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

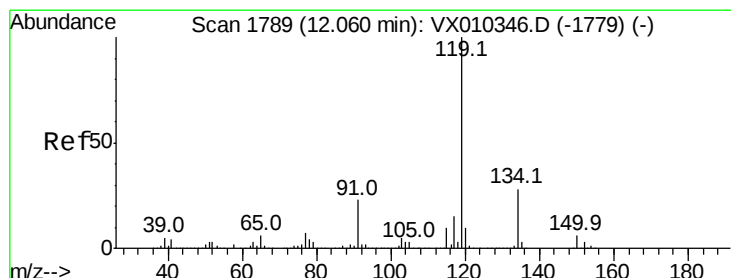
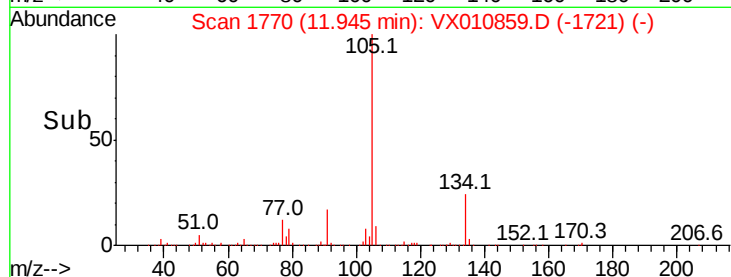
30000

20000

10000

0

Time--> 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 1.023 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX010859.D

Acq: 13 Jul 2019 00:36

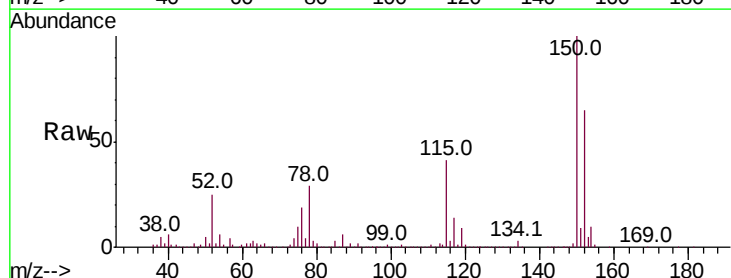
Tgt Ion:119 Resp: 10966

Ion Ratio Lower Upper

119 100

134 31.0 13.7 41.1

91 27.6 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

50000

40000

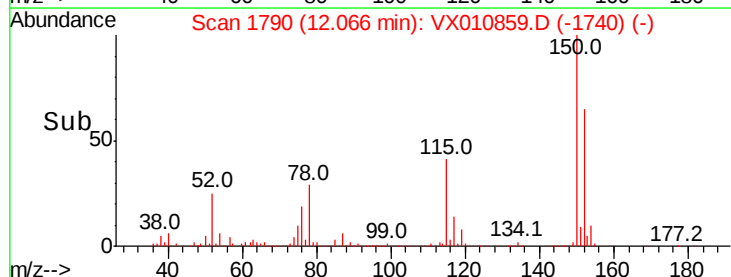
30000

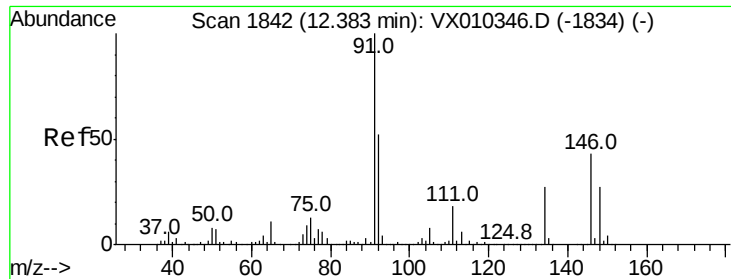
20000

10000

0

Time--> 12.05 12.07 12.10

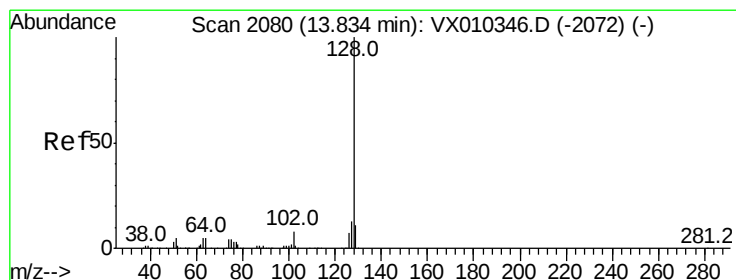
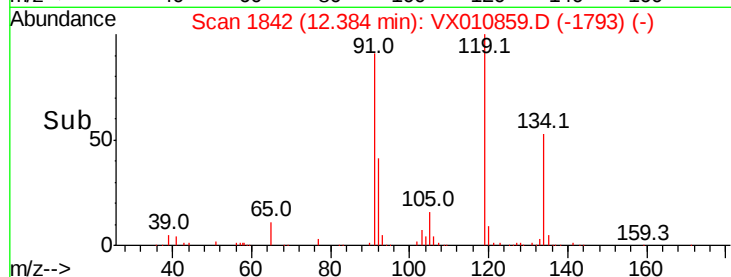
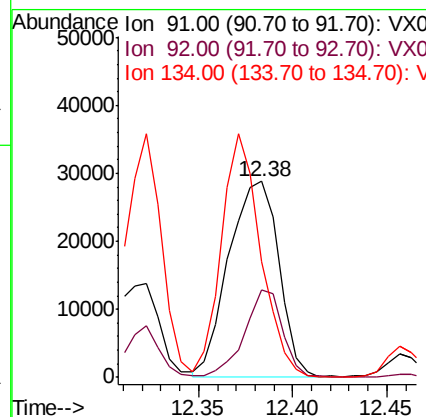
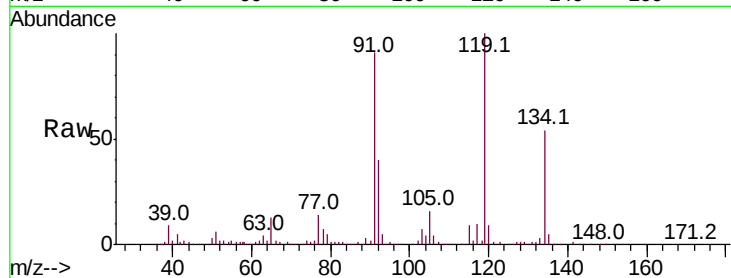




#89
n-Butylbenzene
Concen: 5.779 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Instrument :
MSVOA_X
ClientSampled :
FL-0592

Tot Ion: 91 Resp: 52654
Ion Ratio Lower Upper
91 100
92 34.2 26.2 78.5
134 98.4 14.1 42.4#



#95
Naphthalene
Concen: 9.835 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010859.D
Acq: 13 Jul 2019 00:36

Tgt Ion: 128 Resp: 121137
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 14.3 8.9 13.3#

